

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P850985

Luminaire Tested: **GLAN-SB8D-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 58042 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

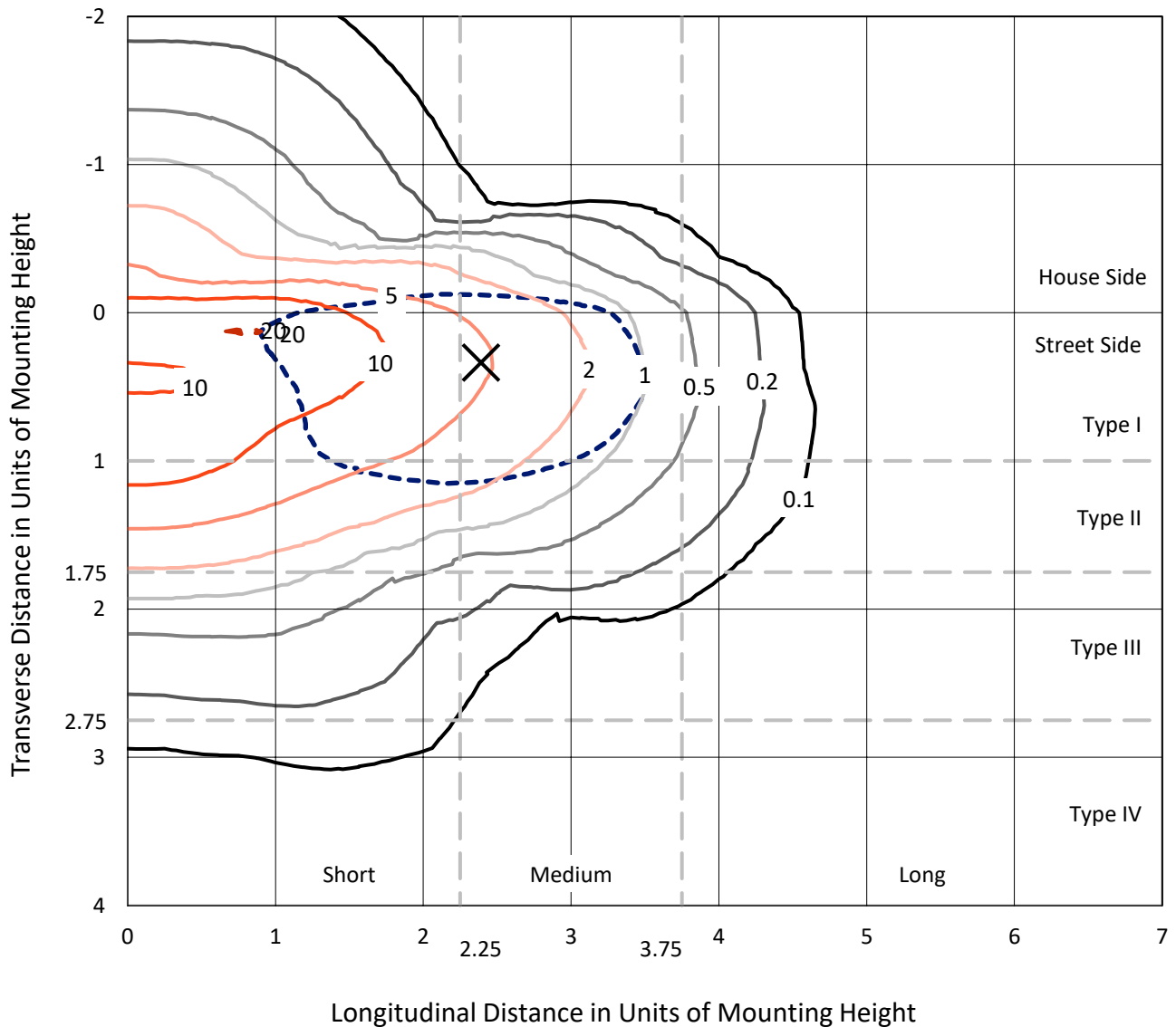
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

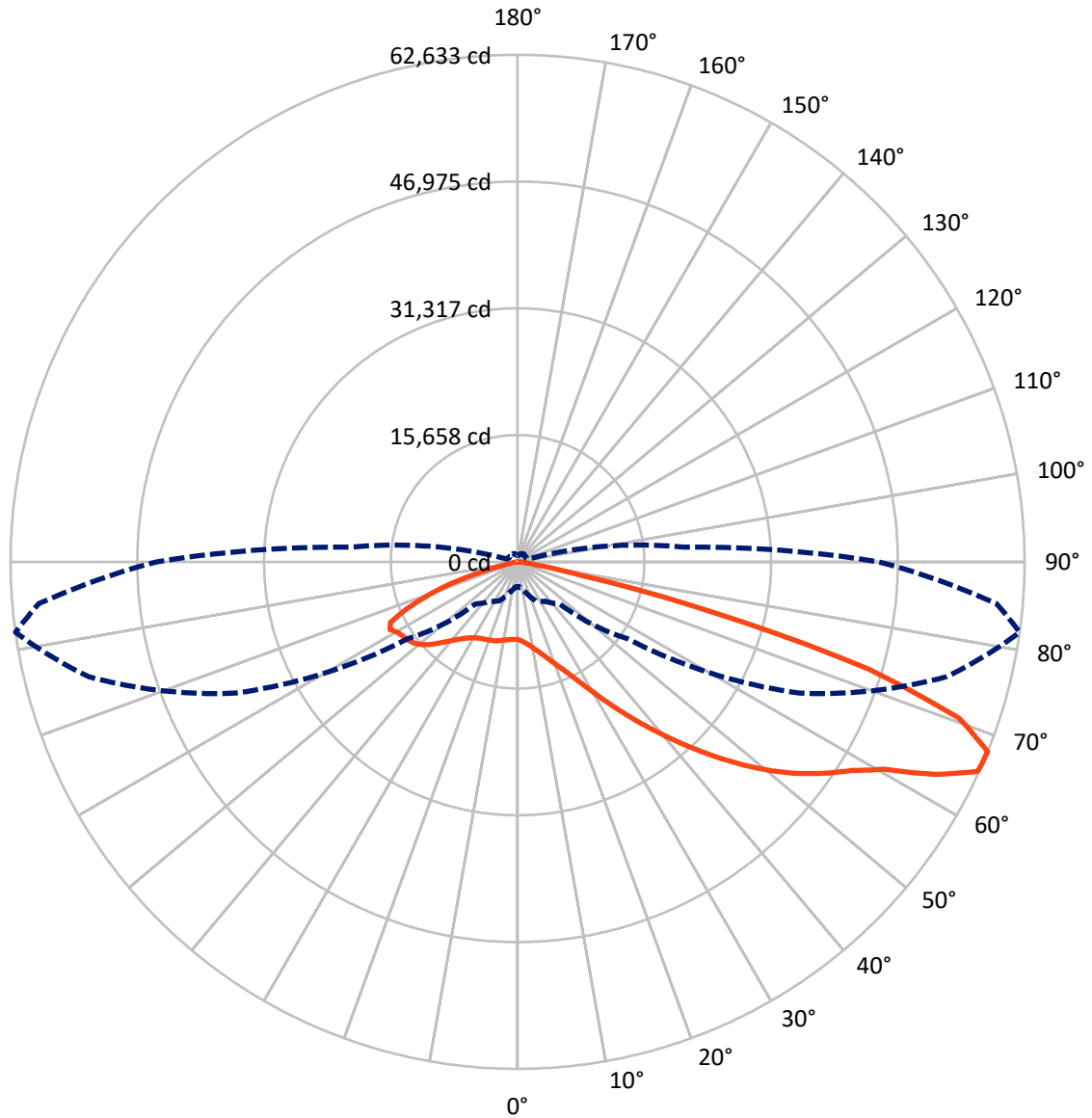
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10513.8	0.0	10513.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	47528.2	0.0	47528.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	58042.0	0.0	58042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	856.7	1.5
10°-20°	2226.2	3.8
20°-30°	3565.6	6.1
30°-40°	6305.1	10.9
40°-50°	11047.1	19.0
50°-60°	14733.7	25.4
60°-70°	13716.4	23.6
70°-80°	5264.3	9.1
80°-90°	327.0	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	58042.0	100.0
0°-180°	58042.0	100.0

**Coefficient of Utilization**

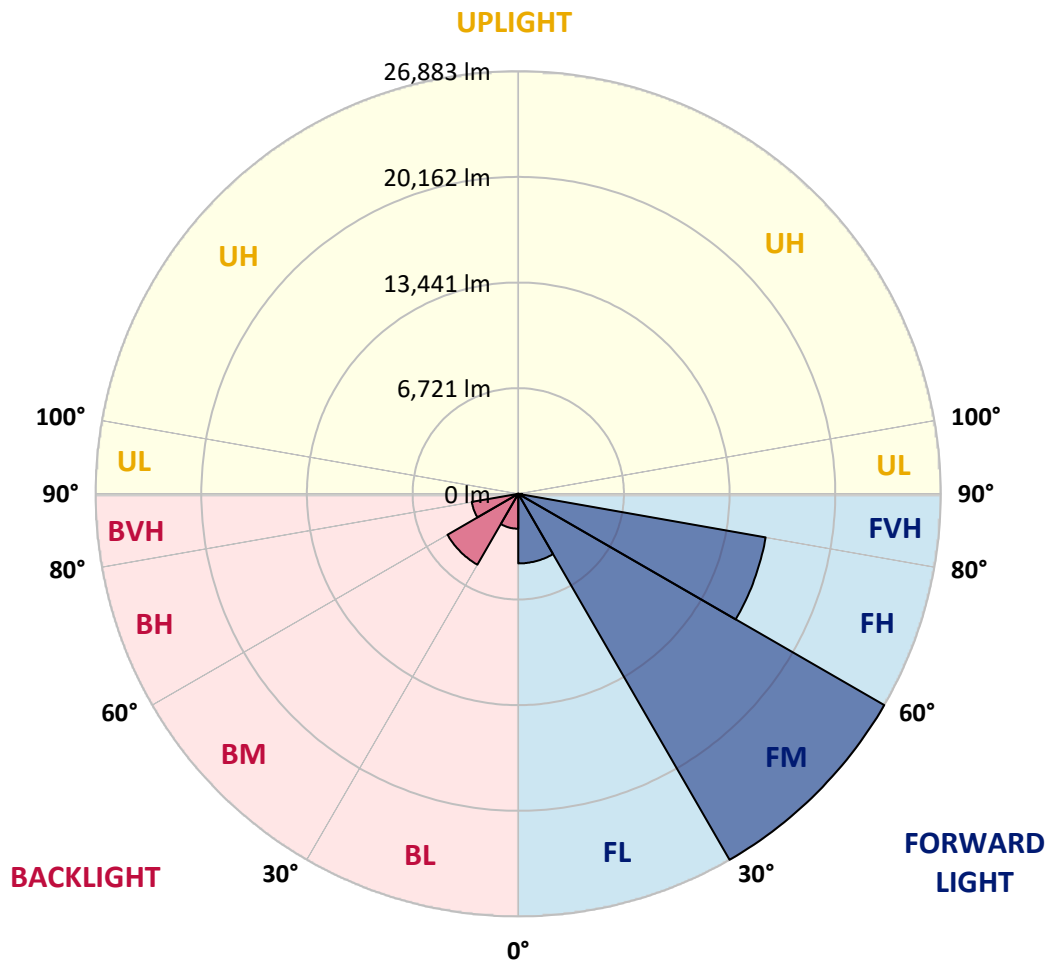


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4428.0	7.6			
FM (30°-60°)	26882.7	46.3			
FH (60°-80°)	15979.8	27.5			G5
FVH (80°-90°)	237.7	0.4			G3/500
BL (0°-30°)	2220.5	3.8	B3/2500		
BM (30°-60°)	5203.2	9.0	B4/8500		
BH (60°-80°)	3000.8	5.2	B4/5000		G4/5000
BVH (80°-90°)	89.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6
2.5°	10163.0	10221.5	10188.1	10171.4	10142.1	10100.3	10066.9	9962.4	9853.8	9782.8
5°	10367.8	10426.3	10422.1	10438.8	10459.7	10472.3	10463.9	10346.9	10192.3	10071.1
7.5°	10192.3	10259.1	10313.5	10397.0	10543.3	10697.9	10773.1	10748.1	10589.3	10422.1
10°	9695.0	9766.0	9895.6	10092.0	10401.2	10735.5	11015.5	11145.1	11044.8	10860.9
12.5°	8784.0	8855.0	9110.0	9536.2	10054.4	10635.2	11170.1	11517.0	11542.1	11358.2
15°	7760.2	7831.2	8102.8	8637.7	9427.5	10359.4	11253.7	11909.8	12131.3	11972.5
17.5°	7125.0	7187.7	7392.4	7822.9	8646.1	9807.8	11224.5	12327.7	12833.3	12708.0
20°	6932.8	6987.1	7083.2	7384.1	8069.4	9235.3	11032.2	12720.5	13589.7	13518.7
22.5°	7137.5	7187.7	7216.9	7350.6	7781.1	8859.2	10789.9	13121.7	14467.3	14475.6
25°	7609.7	7659.9	7626.4	7710.0	7898.1	8742.2	10697.9	13593.9	15570.5	15662.4
27.5°	8387.0	8391.2	8311.8	8307.6	8336.9	8917.7	10794.0	14099.5	16962.1	17133.4
30°	9945.7	9883.0	9578.0	9247.9	9097.4	9444.3	11061.5	14697.1	18604.4	18909.4
32.5°	12348.6	12256.6	11696.7	10906.9	10112.9	10292.6	11542.1	15378.3	20392.9	20944.5
35°	14956.2	14931.1	14346.1	13171.8	11784.4	11500.3	12323.5	16272.5	22344.5	23222.0
37.5°	17379.9	17367.4	17033.1	15649.9	13961.6	13184.4	13577.2	17442.6	24433.9	25704.3
40°	19594.8	19632.4	19298.1	18061.1	16360.3	15344.8	15282.2	18888.5	26757.3	28408.0
42.5°	21508.7	21550.5	21212.0	20296.8	18729.7	17735.2	17375.8	20660.4	29026.5	31312.3
45°	22808.3	23067.4	23017.3	22285.9	21161.8	20129.6	19891.5	22883.5	31613.2	34392.2
47.5°	23176.0	23414.2	23790.3	23890.6	23205.3	22189.8	22474.0	25562.2	34229.2	37476.2
50°	22269.2	22490.7	23272.2	24312.7	24789.1	24475.7	24985.5	28433.1	36907.8	40551.8
52.5°	20480.7	20706.3	21692.5	23339.0	25282.2	26268.4	27505.4	31262.2	39502.9	43464.5
55°	17893.9	18132.1	19398.3	21262.1	24342.0	27008.1	29607.3	34087.1	41880.7	46084.7
57.5°	14375.3	14550.8	15867.2	18474.8	21976.7	26272.6	31157.7	37171.1	44120.6	48658.8
60°	9369.0	9523.7	11053.1	13961.6	18056.9	23815.4	31466.9	40610.3	47095.9	52006.1
62.5°	6230.7	6335.2	7242.0	9377.4	12716.3	19097.5	29657.5	43355.8	51458.7	57831.5
65°	4275.0	4379.5	5286.3	6774.0	8215.7	12632.7	24454.8	42992.3	55411.9	62457.5
67.5°	3050.6	3138.3	3907.2	5311.4	5946.5	7338.1	16577.6	38345.4	54843.6	62633.0
70°	2185.6	2235.7	2870.9	4137.1	4726.3	4408.7	9218.6	29327.4	48019.5	57835.7
72.5°	1529.5	1546.2	1993.3	3150.9	3807.0	3217.7	4387.8	19553.0	36318.6	45395.1
75°	1036.4	1057.3	1341.4	2310.9	3054.8	2457.2	2323.5	10484.8	21320.6	25127.6
77.5°	635.2	643.5	865.0	1579.6	2285.8	1872.1	1496.0	4442.1	8249.1	8098.7
80°	359.4	359.4	551.6	982.0	1558.7	1207.7	1048.9	1888.9	2611.8	2294.2
82.5°	200.6	204.8	401.2	610.1	1032.2	714.6	576.7	873.4	1128.3	998.8
85°	83.6	91.9	246.6	288.3	493.1	355.2	234.0	367.7	417.9	371.9
87.5°	8.4	12.5	75.2	54.3	58.5	71.0	33.4	71.0	58.5	58.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
9615.6	0°	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6	9615.6
9757.7	2.5°	9678.3	9615.6	9456.8	9272.9	9030.6	8913.5	8754.7	8646.1	8554.2	8562.5
10000.1	5°	9866.3	9707.5	9352.3	8909.4	8357.8	7964.9	7547.1	7258.7	7024.7	6974.5
10334.4	7.5°	10125.4	9874.7	9252.0	8453.9	7522.0	6815.7	6184.7	5779.4	5491.0	5399.1
10739.7	10°	10459.7	10096.2	9122.5	7881.4	6539.9	5641.5	4964.5	4646.9	4450.5	4383.6
11216.1	12.5°	10848.4	10351.1	8951.2	7183.5	5528.7	4663.6	4233.2	4074.4	4011.7	3990.8
11801.1	15°	11337.3	10668.7	8692.1	6356.1	4672.0	4066.0	3882.2	3861.3	3869.6	3861.3
12503.2	17.5°	11918.2	11015.5	8270.0	5503.6	4095.3	3761.0	3694.1	3710.8	3731.7	3727.6
13288.8	20°	12553.3	11358.2	7730.9	4747.2	3702.5	3543.7	3506.1	3522.8	3539.5	3531.2
14195.6	22.5°	13276.3	11725.9	7133.3	4158.0	3439.2	3343.1	3301.3	3305.5	3305.5	3288.8
15344.8	25°	14141.3	12131.3	6506.5	3740.1	3238.6	3163.4	3113.3	3096.5	3071.5	3021.3
16740.6	27.5°	15173.5	12561.7	5904.8	3447.6	3079.8	3008.8	2950.3	2908.5	2845.8	2762.2
18416.3	30°	16335.2	13084.1	5394.9	3263.7	2954.5	2883.4	2816.6	2753.9	2661.9	2557.5
20342.8	32.5°	17701.7	13644.0	5023.0	3142.5	2841.6	2766.4	2687.0	2611.8	2511.5	2407.0
22507.4	35°	19331.5	14321.0	4805.7	3058.9	2753.9	2653.6	2565.8	2482.3	2407.0	2315.1
24860.1	37.5°	21099.1	15039.8	4738.8	3017.1	2695.4	2540.8	2440.5	2382.0	2373.6	2319.3
27405.1	40°	23034.0	15892.3	4789.0	2992.1	2632.7	2432.1	2323.5	2310.9	2331.8	2235.7
30125.5	42.5°	25081.6	16903.6	4872.6	2962.8	2544.9	2323.5	2219.0	2219.0	2202.3	2068.5
33000.6	45°	27296.4	18069.5	4956.1	2891.8	2440.5	2214.8	2135.4	2106.2	2035.1	1905.6
35892.4	47.5°	29527.9	19256.3	5018.8	2762.2	2315.1	2122.9	2051.8	1985.0	1880.5	1763.5
38729.8	50°	31646.6	20321.9	4952.0	2570.0	2173.0	2035.1	1959.9	1868.0	1755.1	1675.7
41416.8	52.5°	33539.7	21245.4	4667.8	2344.3	2022.6	1943.2	1876.3	1780.2	1688.3	1604.7
43840.6	55°	35186.1	21993.4	4166.3	2131.2	1888.9	1863.8	1796.9	1675.7	1550.4	1479.3
46243.4	57.5°	36765.8	22561.8	3539.5	1955.7	1767.7	1776.0	1675.7	1567.1	1450.1	1374.9
49482.1	60°	38867.7	23322.3	2904.3	1792.7	1638.1	1663.2	1554.5	1475.1	1328.9	1232.8
55035.8	62.5°	42227.5	24504.9	2306.7	1592.2	1487.7	1496.0	1450.1	1354.0	1178.4	1065.6
59152.0	65°	44893.7	24070.3	1817.8	1374.9	1316.3	1328.9	1328.9	1224.4	1036.4	906.8
59373.5	67.5°	44592.8	20610.2	1450.1	1161.7	1153.4	1161.7	1191.0	1103.2	919.4	814.9
54851.9	70°	41078.4	16393.7	1161.7	965.3	1002.9	982.0	1065.6	1007.1	827.4	722.9
42524.2	72.5°	33518.8	11809.5	885.9	798.2	768.9	802.3	961.1	906.8	689.5	572.5
22524.1	75°	19586.4	6301.7	660.3	631.0	555.8	668.6	852.5	773.1	526.5	422.1
6903.5	77.5°	6377.0	2198.1	484.7	463.9	413.7	539.1	727.1	651.9	430.4	334.3
2022.6	80°	1709.2	664.4	330.1	305.1	267.4	401.2	576.7	518.2	309.2	217.3
869.2	82.5°	685.3	280.0	192.2	171.3	146.3	275.8	455.5	417.9	229.8	137.9
271.6	85°	221.5	91.9	71.0	54.3	66.9	171.3	271.6	284.2	163.0	71.0
41.8	87.5°	29.3	12.5	12.5	16.7	12.5	29.3	83.6	79.4	46.0	8.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
9615.6
8478.9
6861.7
5307.2
4333.5
3978.3
3857.1
3719.2
3527.0
3280.4
3013.0
2753.9
2549.1
2411.2
2306.7
2315.1
2239.9
2068.5
1901.4
1759.3
1663.2
1596.3
1471.0
1366.5
1220.2
1057.3
894.3
798.2
710.4
560.0
409.5
321.8
213.1
137.9
54.3
0.0
0.0

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